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(54) Title of Invention: Tack Switch Structure

Abstract

A tack switch structure used in compact communication devices or electronic devices is disclosed.

Conventional tack switches did not have secure contacts of a metal dome and could not exert the force of switches uniformly, which caused many problems including uneven switch movement and errors. In order to address these problems, the present invention provides a tack switch structure comprising: a case (20) having a metal dome housing (23) with contact terminals (21,22) for secure contact with a metal dome (30); an operating member (40), disposed on the metal dome (30) and pressing the metal dome (30) according to operation; and a bent guiding member (51) for guiding the operating member (40); wherein, the metal dome housing (23) has a circle shape from a plane view.

Representative Figure

Fig. 2

Index words

tack switch, metal dome, exerting force, recess

Specification

Brief description of the Drawings

Fig.1 is a sectional plan of a secured, conventional tack switch structure.

Fig.2 is a cross-sectional view of disassembled tack switch structure according to the present device.

Fig.3 is a cross-sectional view of a severed metal dome applied to the tack switch structure according to the present device.

Fig.4 is a sectional plan of a secured tack switch structure according to the present device.

Description of Reference Numerals

20:	Case	21,22:	Contact terminal
23:	Metal dome housing	30:	Metal dome
31:	Recess	40:	Operating member
50:	Cover	51:	Bent guiding member

(57) Claims

Claim 1

A tack switch structure comprising:

a case (20) having a metal dome housing (23) with contact terminals (21,22) for secure contact with a metal dome (30);

an operating member (40), disposed on the metal dome (30) and pressing the metal dome (30) according to operation; and

a bent guiding member (51) for guiding the operating member (40);

wherein, the metal dome housing (23) has a circle shape from a plane view.